ML
Preserve

App F IX 4 PRESERVED

Previous References

193 (Mle) 4

File No 219-34

Serial Nos 2, 3, 4

Letter References

Ml 186-35 (1-2)

Ml 211-37 (1+2)

D.L.

GENERAL AND REVENUE SECRETARIAT

Serial Nos Three

Part B for Dec 35-

SUBJECT

Estimate Rs 1,90,000/- for supply of water to Printing Mills Bangalore

4) Note 4758-3 of 20/12/35. To Chemist Bangalore, Comptr, Chief Engr Director of Health. Lawrence The Estimate referred to above

6/1/36.

WD 03607—GPB—22 500—2 8-35

(1)

Public Works Secretariat | File No 1684 of 1933

Serial No

33

Sr

Water supply to the Bangalore Woollen, Cotton and Silk Mills Co, Ltd (Binny & Co) Bangalore

Letter No 163 dated 10th August 1933 from the Executive Engineer Water Supply Division Bangalore

Submitted

Messrs The Bangalore Woollen Cotton and Silk Mills Co Ltd (Binnys) Bangalore represent that their demand for water is continuous during working hours and that a fluctuating supply would be of little value to them They therefore suggest the laying of a separate main to the Mills from the 24" Rising Main from Thippagondanahalli, tapping it on the Magady Road, not necessarily for them alone but for the use of other Industrial Concerns also

They anticipate that their minimum demand for water supplied through this separate main would

DE No 1586 8 AUG 1933 CE

WKNC 1484

Note —Contn sheet

WD 583—GBPM—2 500—1 11 32

he in proportion to the price charged as follows —

@	0-14-0	per 1000 gallons	60000 gallons per day
@	0-12-0	—do—	100 000
@	0-10-0	—do—	200 000

The Executive Engineer water supply Division estimates a total Consumption of 0 75 million gallons by the undermentioned industrial Concerns

		Million gallons per day
a)	The Bangalore Woollen Cotton & Silk Mills	0 3
b)	Minerva Mills Ltd	0 1 to 0 15
c)	Mysore Mills Ltd	0 2
d)	Smaller factories & Suburban Colony	0 05 to 0
	Total	0 65 to 0 75

And for this quantity, the laying of a 9" main is necessary - The ~~distance~~ length of the main will be 3 miles, and the rough cost of the main will be about Rs 78,000/—

(actual) to the Dept

The cost of water supplied through this Branch main works up to about 9 annas per 1000 gallons

The Executive Engineer proposes that a uniform rate of 0-12-0 per 1000 gallons be fixed, and says that the minimum quantity of water taken should not be less than 50,000 gallons

Serial No

He states that ~~the~~ a 9" independent main to supply water to the Bangalore, woollen Cotton and Silk Mills as well as other Industrial Concerns nearby referred to above, will have to be laid to ensure an adequate supply to them

The Executive Engineer thinks that even if half the above quantity is supplied, a revenue of about Rs 80,000 would be realised, and it would be ~~the~~ to the mutual advantage of the Supplier & the Consumer if the water is supplied at Concession rates

There being enough water in the reservoir there will be no difficulty to meet the demand from these Industrial Concerns

The Executive Engineer says that the cost of the Branch main proposed will have to be borne by Government

In this connection it may be stated that Government have

Note—Contn sheet

WD 583—GBI M—2 500—1 11 32

recently fixed the following sliding scale for water supplies to the Indian Institute of Science, and the scale of rates to be fixed for water supplied to the Industrial Concerns should have some bearing on that scale

upto 30000 gallons a day Re 1-0-0 per 10 gallons Hcg L
Above 30,000 upto 50,000 gallons per day 0 14-0
Above 50,000 upto 100,000 gallons per day 0-12-0
subject to a minimum payment for 30000 gallons average per day even though the actual consumption is less than 30000 gallons per day, the average being struck for each month

At the above rates the return % the consumptions is just over 4% 50 000, or 75 000 or 100000 will be 4%, 6% or 8% respectively

Eq 25/8/23 DD

The scale approved for the Indian Institute of Science may be adopted for the Mills also and for consumption above 100,000 gallons to any limit be fixed at 10 as per 1000 gallons This last should be the minimum rate in view of the fact that the actual is gas now & may increase later.

In view of the fact that the Minerva Mills & other industrial Concerns on the Mysore road may take

(5)

Public Works Secretariat | File No 3 of 193

Serial No

Wales on the same lines the cost of Rs 78 000 has to be invested by Govt as part of the capital expenditure of the Project Sketch is

Dewan

Mrs R
26/33

Note —Contn sheet

W D 583—GBI M—2 500—1 11 32

DEWANS MINUTE

FILE No P / D 1684 1933

The rate up to 30,000 gallons per day proposed in the case of the Indian Institute of Science, would not apply to these Mills at all as their minimum daily consumption will be 60,000 gallons It would appear from their letter that the Mills themselves are prepared to pay at the rate of 14 annas per thousand gallons up to 60,000 gallons per day We need not, therefore, suggest this rate for less consumption up to 50,000 gallons as in the case of the Indian Institute of Science For quantities taken in excess of 100,000 gallons, the Mills themselves offer to pay 10 annas per thousand gallons It will thus be seen that the scale proposed to be applied in the case of the Mills requires further consideration

There are other mills and industrial concerns in the area to which it is proposed to take a new main whose consumption would not be as large as that of the Bangalore Woollen, Cotton and Silk Mills A sliding scale providing for gradually lower rates for higher consumption might be considered as one of the alternatives The Executive Engineer has, however, suggested a flat rate of 12 annas per thousand gallons It is necessary to see whether, taking the probable quantities that would be consumed by the concerns, which arrangement - whether a sliding scale of rates or a flat rate - would give us a larger amount I am not sure if we have fairly reliable information in regard to the quantities of water that might be consumed by these mills

DEWAN'S MINUTE

5

FILE NoP W D 1684 1923

and by other concerns in the area which would have to be supplied from the new main

Another point on which it would be desirable to have information is what it is now costing these mills to provide themselves with water from their present supply which they wish to replace by a supply from the 'T' Tank I believe these mills have put up a number of bore-wells, but the water tapped in them is hard water requiring chemical treatment to make it fit for use for the various processes It is fair to infer from their application for 'T' Tank water that the water they are now using, is either unsatisfactory or unnecessarily expensive It would be an advantage to the mills if they get water from the 'T' Tank at less cost than that which they are paying for their present supply

In view of what is stated above, I think it is desirable that we should make some calculations of the probable demands for water and see what would the realisable amounts by the application of a sliding scale and flat rates before we can decide what rates it would be fair to charge to the industrial concerns in this area including the Bangalore Woollen, Cotton and Silk Mills

(11) 6

Public Works Secretariat | File No 9586 of 1934

Serial No

The Cost of laying a 10' underground water main for industrial purposes is estimated at Rs 82,600/-

Messrs The Bangalore Woollen, Cotton & Silk Mills Co. Ltd have offered to guarantee a minimum Consumption of 150 000 per day, while they say that their normal daily Consumption would be about 200000 gallons and maximum Consumption between 300000 - 350 000 gallons
They are prepared to enter into a Contract with the Government at the following rates

upto 100 000 gallons per day @ 0-12-0 per 100 gallons
Between 100,000 & 150000 @ 0 11-0 ~~per~~
~~per~~ 150 000 & 300 000 @ 0-10-6 ~~per~~
~~per~~ 300 000 & 500 000 @ 0-10-0 ~~per~~

The Executive Engineer water supply Division has been requested to find out from the other Industrial Concerns that would be benefitted by the proposed main what minimum quantity they would guarantee.

~~But taking into Consideration~~ the offer of the Bangalore Woollen

Note —Contn sheet

M D 554 GBPM—5 000—21-10-32

~~Cotton & Silk Mills alone, the~~
~~annual income, ~~for~~ from these~~
~~two for a maximum supply~~
~~of 150,000 gallons @ 0-11-0~~

The Bangalore Woollen, Cotton and Silk Mills have offered a rate of 0 11-0 per 1000 gallons for a guaranteed minimum ~~supply~~ quantity of 150 000 gallons Taking the cost of water to Govt at the source at 0 7-6 per 1000 gallons (consequent on the additional capital outlay that will be incurred on the water works/works) the difference of 0 3-6 per 1000 gallons represents the return to Government on the investment for laying the proposed independent main. Costing Rs 82,600/-

At this rate, the income from messrs The Bangalore Woollen Cotton & Silk mills alone would be Rs. 11,976-9-0 per annum for a guaranteed minimum quantity of 150000 gallons per day.

$\frac{150 \times 3\frac{1}{2} \times 365}{11}$ 11976 9-0

Even allowing a margin for the annual maintenance of the proposed main, say about Rs 1000/—, we may safely assume an income of Rs 11,000/— per annum from this single Source, which gives 13 3 % which itself is a very profitable If the other

31/8/34 Concerns also take water

Public Works Secretariat | File No 9888 of 193 4

Serial No

the Scheme would pay itself in the course of a few years.

D
8 - 8 - 3
21/8/36

In his letter No 1084 dated 4th April 1936, the Executive Engineer Water Supply Division reports that the other Industrial Concerns have offered the following minimum and maximum quantities.

		Minimum	Maximum
1	The Mc Minnerville Mills Ltd	10,000	20 000
2	The Mysore Spinning & Manufacturing Co Ltd	20 000	40 000
3	The Indian Hume Pipe Co Ltd Bombay	10,000	—

The following sliding scales of rates is suggested for adoption —

up to 30,000 gallons per day	1-0-0	per 1000 gallons
Above 30 000 upto 60,000 "	0 14-0	"
Above 60 000 upto 100,000	0-13-0	"
Above 100000 upto 150000	0 12-0	"
Above 150000 upto 200000	0 11-0	"
Above 200000 upto 300 000	0 10-6	"
Above 300000	0 10-0	

On the basis of the above rates the incomes from the above Industrial Concerns according to the minimum and maximum guarantees guarantee

Note—Contn sheet

WD 554—GBPM—5 000—21-10-32

would be as under — per annum

1 The Bangalore Woollen Cotton & Silk Mills Ltd (Binnys)

at minimum 150000 gallons per day — for 100 gallons: 0 12 0 − 0 7-6 − 4-6 @ } Rs 12656 4 per annum (for 300 working days excluding close days)

(* Cost of water bypass and sewage)

Normal 20 000 — 0-11-0 − 0 7-6 − 0 3-6 @ } 9843-12-0 per annum

Maximum 30000 @ 0 10 6 − 0 7-6 − 0 3-0 } 9600-0-0 per annum

2 The Minerva Mills Ltd

minimum 10000 gallons a day @ 1-0-0 − 7-6 − 0-8-6 } 1593-12-0

maximum 20000 1-0-0 − 0 7-6 − 0 8-6 } 3187-8-0

3 The Mysore Spinning & Mfg Co

Minimum 20000 gallons a day 1-0-0 − 0 7-6 − 0 8-6 } 3187 8-0

Maximum 40000 0 14-0 − 0 7-6 − 0 6 6 } 4875-0-0

5 The Indian Hume Pipe Co Ltd

Minimum 10000 gallons a day 1-0-0 − 0 7-6 − 0 8-6 } 1593-12-0

Taking the minimum guaranteed quantities alone from the above the annual income would be Rs (12656¼ + 1593¾ + 3187 8-0 + 1593 12-0 =) 19031-4-0

deducting the annual maintenance charges of the Main, say about Rs 6000/-, the net income from the scheme may be taken at Rs 18000/— in round figures

(15)

6

Public Works Secretariat | File No 9888 of 1934

Serial No

which works out to 21 7
As the Indian dump pipe has not been established, it may be necessary to neglect the calculation

8
6/4/34
Ys
a
7a

D 974
9434

We can count upon an income of at least Rs 1,0000/ per annum The estimate may be sanctioned & also the above Scale of rates proposed on page 13/ Dewan thro' the Fl Secretary

Mh R
7/4/34

Je 388/A Mh
10/4/34

20/4/34.

I believe these Mills are at present being supplied water from our works at least for domestic purposes and if so the quantity supplied and the annual revenue received from them may be noted To this extent the revenue to be received in future will not be extra revenue 1)

The annual maintenance charges are estimated at Rs 1 000/- Details for this may be furnished 2)

The Executive Engineer, Water Supply Division states in his report on the estimate that after the

Note—Contn sheet

WD 554—GBPM—5 000—21 10-32

the proposed line is laid double pumping of water at Thippagondanahalli becomes an absolute necessity almost all the 24 hours of the day The additional expenditure (recurring and non-recurring) which will have to be incur on this account may be stated

In the same report the Executive Engineer states that the Mills should be informed that the present estimate does not contemplate the expenditure on laying distribution lines right up to the Mill doors From the letter of the Bangalore Woollen Cotton and Silk Mills it is not clear whether the Mills are agreeable to this arrangement 4)

Before sanctioning the scheme it is very necessary to get definite undertaking from all the Mills who have now agreed to take a guaranteed minimum The guarantee should be not merely to take a specific minimum quantity daily but should also be to take such quantity for a minimum period 5)

Experience has shown that very often the actual Capital expenditure and maintenance charges exceed the estimates to a very great extent and the revenue realised also falls below the anticipations To provide for these contingencies it is necessary to fix the rates for water sufficiently higher than what has now been proposed in order to prevent loss to Government on any account Further we are practically accepting the rates offered by the Binny Mills Naturally they must have quoted rates favourable to themselves and it should be possible to enhance them at least slightly what their present water supply is costing them and the limit up to which it would be profitable for them to go in for Thippagondanahalli water is not mentioned anywhere in the file Though the rates now proposed give us a satisfactory yield there is no reason why we should not try to get more if it is possible for us to do so The work appears remunerative during the 8th - An ex-gratia grant will have to be given for it if any portion is going to be spent this year and the balance will have to be provided next year

3/5 3534

(17)

9 17

~~General and Revenue~~ Secretariat | File No. 3884 of 1934 | [App F III—2

Serial No

D 974
4 5 34

The Estimate may be sanctioned as agreed to by the Fd Secy The points raised by him will be pursued further on the meantime
Dewan)

Mrs R
4/5/34

6885
1/5

MS
4-5-34

9 MAY 1934

Chief Secretary
Work complete)

Mrs R
9/5/34

Ch
Cuc
7/5
195

—Contn Sheet

WD 01536—GPB—7,500—5 4 34

(18)

File No	of 193	General and Revenue Secretariat

(19) LD 18

For Disposal by Circulation

No C 302
of 1934

GENERAL AND REVENUE SECRETARIAT

Council Matter

Subject

Estimate amounting to Rs 82,600/- for laying a 10" main for eeting the industrial needs of the City

Circulated to the Members of Council

By Order

R R Queen

11th May 1934 — *Chief Secretary to Government*

8904 / 12/5 First Member of Council

7563 / 12/5 Second Member of Council

DEWAN'S OFFICE
16 MAY 1934
No 7304

D 2019
16 5 34

Secretary to Government
Public Works Department,
with compliments

Resubmitted with a note of submission to His Highness

Dewan

RG 4 5734

16/5

(21)

Submitted to His Highness

H

The accompanying estimate amounting to R. 82,600/- is for laying a 10" independent water main for meeting the needs of the Industrial concerns in Bangalor City

Pages 13 of Office Notes

2 A sliding scale of rates is proposed to be charged to the Industrial concerns and the project is seen to be a remunerative one

Pages 17 & 18 of — do —

3 His Highness' gracious sanction is solicited to the estimate which has been approved by me and the Members of Council

Mirza M Ismail

Dewan

16/5/34

Record of Cases submitted for the Orders of His Highness the Maharaja

Subject

Estimate amounting to Rs 82,600/- for laying an independent water main for meeting the needs of the Industrial concerns in Bangalore City

599

Order

~~KRW~~
19/5/34

Inspection
20/5/34

RR
21/5/34

598/302/3

General and Revenue
Secretariat

Estimate amounting to Rs 82,600/- for laying an independent water main for meeting the needs of the Industrial Concerns in Bangalore City

( )

31 All g t fid t l fil t rn d w th H H gh d rs m y th b f t t d t th t y b d ly l t d t th M mb f C l f p l aft th ss f d

33 Th S t c e n d sh ld th t d th f rr d t b d t d th t th fil t d mm d ly f t th Ch f S t y f l t t th M mb

34 I ll t th fil w ll fi b l d th M mb f C l t H d q d th t t th S t t ç n d f the ss f d

Circulated to Members of Council for perusal of His Highness orders before/after issue of orders (*Vide Rules* 31 33 and 34 of the Subsid ary Rules for the conduct of bu iness of Council in the Manual of Council Rules and Procedure)

R Rangaka

Chief Secretary to Government

Through the Secretary to Go ernment

PW _ Department

FIRST MEMBER OF COUNCIL

SECOND MEMBER OF COUNCIL

23/5

Secretary, P W. Dept, with the Compliments.

NOTE —Contn sheet

25/5734

(27) 44

Public Works Secretariat | File No | of 193

Serial No

D 2067
1634
Q

Resubmitted

2 His Highness' sanction has been obtained for the laying of a 10" independent main for water Supply to Industrial concerns in Bangalore at a cost of Rs 82,600/-

3 This main has been proposed to be tapped from the 24" rising main from Thippagondanahalli I think it would be undesirable and inadvisable to tap or interfere with the rising main which is already under a very high pressure

It is always better to tap a gravity main than a rising main I would therefore propose to abandon the idea of laying a 10" independent main tapped from the 24" rising main

But the needs of the Industrial concerns must be satisfied and the matter requires -- consideration

4 The Executive Engineer, Water Supply Division has proposed the laying of a 15" diameter independent main from the Combined Jewel Filters to Basavangudi with a storage tank of 3 million gallons capacity at the Bugle Rock, at an estimated cost of Rs 2,60,000/-

This estimate has been forwarded to the Chief Secretary for obtaining the sanction of Government and it is understood that the estimate is pending with the Bangalore City Municipality, who are perhaps not prepared to spend such a large sum on water supply to Basavangudi extension alone

5 Whether the proposed 15" daimeter main could also supply water to the Industrial con-

Note —Contn sheet

8—GBPM—2 500—1 11 32

cerns and whether it is even necessary to increase the size of the above main say to 16" or 18" so as to make it sufficiently large to supply the needs of the Industrial concerns, the M & S M Railway and also certain higher portions of Visveswarapuram and Shankarapuram has to be examined in detail before the scheme is finally adopted The question of financing the scheme solely by the Municipality or jointly by the Government and the Municipality has also to be considered

6 Instructions have been issued to the Executive Engineer, Water Supply Division to work up details, and a further report will be submitted shortly

7 Meanwhile, the favour of approval is solicited to keep the orders on the estimate of Rs 82,600/- under abeyance

Dewan
Through Chief Secretary

DEWAN S OFFICE
5 JUNE 1934
No 7626

1/6/34
CE in M.

RR
5/6/34.

5-6-34
Secy

2nd Member

RR
6/6/34

D 2131
12 6 34 Resubmitted with a note of submission to H H

Dewan)

11/6/34

6/6 RR 7/6/34

13-6-34 Secy, P W D
With Compts

8/6/34

D E
14 JUNE 1934
No 7912

OFFIC OF THE
SECOND MEMB R OF COUNCIL
6 JUNE 1934
No 82 34

(29)

15

General and Revenue Secretariat

Proposal to keep under abeyance the estimate for Rs 82600/- sanctioned for laying an independent water main for the industrial Concerns in Bangalore City

Circulated to Members of Council for perusal of His Highness orders before/after issue of orders (*Vide Rules* 31 33 a d 34 f the S b d ry R l s fo the co duct of b i n e s of Co nc l in the Manu l of Council Rules and Procedure)

R Rangade

Chief Secretary to Government

Th ugh the Secretary to Go ernment

D part ient

19/6/34

Submitted

9887 20/6

FIRST MEMBER OF COUNCIL

by 20/6/34

8650 20/6

SECOND MEMBER OF COUNCIL

SPV 20/6

Secretary, P W D, with Compts

RV 20/6

Done 20/6/34 Issued PWS

NOTE —Contn sheet

Record of Cases submitted for the Orders of
His Highness the Maharaja

Subject

Proposal to keep under abeyance the estimate for Rs 82 600/- sanctioned for laying an independent water main for the industrial concerns in Bangalore Cit

C Secy Mr 14-6-34

RB 17/6/34

Order

KRW
18/6/34

Resubmitted to His Highness

His Highness graciously sanctioned the estimate for Rs 82,600/- for laying a 10" independent water main for meeting the needs of the Industrial concerns in Bangalore City

The Secretary, Public Works Department in office brings to notic that it is not desirable to tap the 24" rising main from Thippagondan halli which is under high pressure A proposal has been furnished to the Bangalore City Municipality for laying an independent 15" main from the Combined Jewell Filters to Basavangudi Extension, Bangalore City for improving the water supply to this Extension and it is -- suggested that if the diameter of this main is suitably increased to 16" or 18", the needs of the Industrial concerns, the M & S M Railway and also of certain higher portions of Visvesvarapuram and Shankarapuram could also be met with under gravity conditions This proposal is now under consideration of the Municipality

In these circumstances His Highness' gracious approval is solicited to keep under abeyance the orders sanctioning the estimate of Rs 82,600/- for laying the 10" independent main

Mirza M Ismail
Dewan

See P42

SECRTT

Draft for Approval

19|5
3734

FROM

The Secretary to Government P W D

12

To

The Ex Engineer
W S Division

Subject

Laying of a 10" independent water main for domestic purposes

With reference to correspondence ending with his letter No 1266 of 23rd May I have the honor to inform the Ex Engr that the Government agree that Ch is not to tap the rising main from the Pharagondanahalli already under a duly which is of high pressure

The Ex Engineer

WD 929—G1 [illegible]—10 000—4-12-39

Rs 82,600/- received
vide his letter No 1265
dt 26-3-1934 is therefore ~~effected~~ Neff'
~~hereunder as furnished~~ by the present
~~Assistant~~.

Proposals, vide estimates
for laying an ~~suitable~~
independent main
of suitable diameter
to Basavangudi Extension
from which Sulemans
can be tapped for water
supply to Mohammedan ~~Concerns~~ Concerns, as ~~reasonably~~ requested
~~estimates~~ according to the
instructions already given
may be expedited.

30/6/34

Public Works Secretariat | File No 2702 of 1934

Serial No

D288
25 934

Water supply to Industrial concerns.

---

flag S

Kind reference is invited to pages 27 and 28 of the notes

2 It was originally proposed (1) to hold in abeyance the estimate amounting to Rs 82,600 for laying a 10" independent main for water supply to Industrial concerns from the 24" rising main from Thippagondanahalli, and (2) to examine whether the proposed 15" main from the combined Jewell filters to Basavangudi at a cost of Rs 2,60,000 could also supply water to the Industrial concerns and whether it is even necessary to increase the size of the main, say, to 16" or 18" so as to make it sufficiently large to supply the needs of the Industrial concerns, the Madras and Southern Mahratta Railway Co and also certain higher portions of Visvesvaraopuram and Shankarapuram

It was also stated that the question of financing the scheme solely by the Municipality or jointly by the Government and the Municipality should also be considered

The above proposals were approved by Government and the Executive Engineer, Water Suppl Division was requested to examine the question in all its aspects and submit revised proposals

3 The Executive Engineer has now submitted the following two estimates -

flag V

(1) For laying an 18" C I gravity main from the combined Jewell filters to Basavangudi at a cost of Rs 3,14,000, and

Note —Contn sheet

(2)

W D 583—GBI M—2 500—1 11 34

(2) for laying an independent 15" main from the Combined Jewell Filters to the Bangalore Woollen, Cotton and Silk Mills Co ,Ltd , at a cost of Rs 1,-7,200

Estimate No I -

The estimate No (1) provides for laying an 18" C I main from the Combined Jewell Filters, capable of supplying 1 46 million gallons of water per day This capacity is sufficient to supply the maximum demands of 0 30 million gallons of the Bangalore Woollen, Cotton and Silk Mills Co ,Ltd , and 0 2 million gallons of the Madras and Southern Mahratta Railway Co , and is also capable of acting as a distributing main for supplying to the present population of 20,000 in Basavangudi, Sevipur, Guttahalli and Shankarapura Extensions at 20 gallons per head per day

The route proposed is along the Venkataranga Iyengar road, Dharmambudi tank, Arlevet road and on to point A in the Gandhi Bazaar road of Basavangudi where it bifurcates into two branches of 12" flag X

Against the estimated cost of Rs 3,14,000, the only guaranteed income is from the Bangalore Woollen Cotton and Silk Mills Co ,Ltd , i e , Rs 8,500 roughly calculated at a net profit of 2¼ annas per 1000 gallons The rate offered on by the Bangalore Woollen, Cotton and Silk Mills Co Ltd , is 0-10-6 per 1000 gallons, and the cost price of water delivered at the Combined Jewell Filters is worked out to be 0-8-3 [illegible]

To the income of Rs 8,500 has to be added the savings in power charges now being incurred on the Boosters in the extensions and also on pumping from the Combined Jewell Filters (or later from the Low Level Reservoir) to Basavangudi Rs (4,000 plus 8,000) 12,000 as these old then become unnecessary

Serial No

Deducting the cost of depreciation at 2% on Rs 3,14 000 and the cost of work establishment, the net revenue will be Rs 13,720 which works to a return of + 4 per cent on the capital cost

If the Municipality are willing to contribute at least one lakh of rupees, then the cost to Government will be Rs 2,14,000 and the return on the latter amount works out to 6 4 per cent

Estimate no (II) -

In case government are not prepared to sanction the above scheme, costing Rs 3,14,000, either due to want of funds or due to the necessity of corresponding with the municipality in the matter of contribution which may involve delay, an independent scheme to supply water from the Combined Jewell Filters to the Bangalore Woollen, Cotton and Silk Mills Co ,Ltd , by means of a 15" main has been prepared and submitted by the Executive Engineer, Water Supply Division for Rs 1,37,200

Flag IV

Alternative schemes for this purpose, were prepared providing different sizes of mains starting from the Low Level Reservoir Though these are found to be cheaper in cost, yet in consideration of the fact that the Low Level Reservoir will have to meet the requirements of the City,&c Visvesvarapuram &c , depending thereon, it is no desirable to draw off the proposed main from that reservoir

The route for the proposed 15" main is along the Venkataranga Iyengar road, Dharmambudi

WD 583—GBPM—2 500—1 11 32

tank bund and Goods shed road A branch main 8" diameter would be given from point A in the Goods shed road up to the Mill boundary beyond which the Mills would lay the line at their own cost

flag L

This main has a carrying capacity of two million gallons per day of 24 hours As the maximum requirements of the Mills and the Madras and Southern Mahratta Railway Co , are (0 35+0 2) 0 55 million gallons per day the main has ample capacity to supply water to other Industrial concerns when demands arise therefor Also the line, if extended at t e cost of the Municipality, would supply Chamarajpet and a large portion of Basavangudi without the help of the booster pumps, but with the help of storage tanks For after supplying the needs of the Mills and the Madras and Southern Mahratta Railway Co , we will have half-a-million gallons for use in Chamarajpet and Basavangudi

The Mills have offered a rate of 0-10-6 per 1000 gallons between limits 15 and 3 million gallons guaranteed for a period of ten years Taking the average consumption as 2 million gallons for 300 working days in a year, the revenue realised will be 300 x 200 x 2¼ = Rs 8,437 or roughly Rs 8,500 (the cost price of water at the Combined Jewell Filters is worked out to be -0-8-3 per 1000 gallons- so the gross profit for 1000 gallons is 2¼ annas)

The financial aspect of the scheme will be as under -

Estimate cost - Rs 1,37 200

Public Works Secretariat | File No | 21 of 193

Serial No

Gross Revenue at	0-10-6 per 1000 gallons Rs	0-11-0 per 1000 gallons Rs	0-11-6 per 1000 gallons Rs	0-12-0 per 1000 Rs
	8,437	10,312	12,188	14,062
Deduct depreciation	2,744	2,744	2,744	2,744
Net revenue	5,693	7,568	9,444	11,318
Percentage revenue on the estimated cost	4,15	5,51	6 87	8,23

If the scheme is sanctioned it will be possible to lay the line in a period of six months as the Mysore Iron Works have intimated that they have in stock 7000' of 15" pipes, and would supply the balance in three months time

The Mills Authorities are also very anxious for the early supply of water and are pressing for the same

The present storage at the Sri Chamarajendra Reservoir and the Nessarghatta tank would last till the middle of October 1935 even granting that there are no replenishments in this period There need therefore be no apprehension in accepting this small commitment

It would be very profitable if the Mills could be induced to pay a higher rate than the average rate of 0-10-6 between the limits now proposed They will be addressed if they are prepared to pay a rate of 0-11-6 per 1000 gallons within the same limits

—Contn sheet

W D 583—GBPM—2 500—1 11 3

Estimate No I costing 3 lakhs odd is heavy and will involve prolonged correspondence with the municipality and will take longer time for completion

2 The Mills require water urgently Estimate No II for this Rs 1,37 200 and at 0-11-6 per 1000 gallons the return will be 6 87 per cent at the beginning

This project will incidentally help towards improving the water supply to certain portions of Chamarajpet and Basavangudi if the municipality wish to pay for an extension

3 I therefore recommend that scheme No II may be sanctioned early

Dewan
Thro'
Fin' Secy

24/9/34

F 1301/A
25/9/34

The original scheme involving a capital outlay of Rs 82 600 was accepted by the Finance Department and sanctioned by Government on the ground that a net return of about 21% could be realised It is not known why this scheme is now considered not satisfactory

Two alternative schemes are now under consideration and the Chief Engineer recommends the scheme involving a capital outlay of Rs 1 37 200 The net return expected from the latter scheme is stated to be between 4 15 % to 6 87%

While working out the probable net return the provision for Depreciation is calculated at 2% This is low

Serial No

₹301/A

and should be at least 2½% the rate fixed for the New Bangalore Water Supply Scheme It is also not certain that the actual capital cost will not exceed the sanctioned estimate The Executive Engineer has calculated the cost of water at the combined Jewel filters at 0-8-3 per 1000 gallons and states that the cost price may be more as the present capital estimates may be exceeded and further new works may become necessary The Mills have guaranteed a minimum consumption of only 150 000 gallons per day though the daily consumption is estimated at 200 000 gallons and for the calculatic of the net return it is not safe to take more than 150 000 gallons into account If these factors are taken into account the net return will be much less than the return anticipated Even taking that the net return anticipated viz , 4 to 6 per cent will be realised it is to be stated that it is very low There will be no justification for taking up any capital work unless a net return of at least 8% (4% towards interest and 4% towards sinking fund) is assured In this view the proposal is not financially acceptable A cheaper scheme is to be considered or a larger revenue should be insisted on

The latest communication of the Binny Mills found in the file is that of 27th March 1934 and in

W D 783—GBPM—2 500—1 11 3

and in this communication the Binny Mills have agreed to pay for water at the following rates -

Up to 100 000 gallons per day -- 12 annas per 1000 gals

Between 100 000 and 150 000 gals per day -- 11 annas per 1000 gals

150 000 and 300 000 -do- 10½ annas -do-

300 000 and 500 000 -do- 10 annas -do-

From the letter of the Mills it appears that they are agreeable to pay at 12 annas per 1000 gallons for the first 100 000 gallons and at 11 annas for the excess over this quantity up to 150 000 gallons etc In the Public Works Secretariat note the lower rate has been taken into account for the entire quantity

In my note dated 3rd May 1934 I have stated that to the extent of revenue now realised from the Binny Mills for water supplied for domestic purposes the revenue to be received in future will not be extra revenue The revenue if any now realised has to be ascertained

I have also stated that it is not clear from the letter of the Mills that they are agreeable to make their own arrangement for the distribution of water to the Mill doors from the Government main Definite information on this point is necessary

It is also necessary to get definite undertaking from the Binny Mills M & S M Railway Company and also other concerns which are expected to take water from the proposed main as to the minimum quantity which they will take cost period etc in order that we may know definitely the minimum net return which we can get from the scheme

If the scheme is to be sanctioned we must insist on getting higher rates from the Binny Mills and others so that a net return of at least 8% is assured This is the minimum which one should get for any additional capital invested from borrowed funds

12/10/34

The original scheme sanctioned by Government at a cost of Rs 82,600 was subsequently considered unsatisfactory though remunerative, as it was not desirable to tap the rising main direct From the financial point of view the two alternative schemes are-

(1) for laying an 18" C I gravity main from the combined jewell filters to Basavangudi at a cost of Rs 3 14 lakhs, and

(2) for laying an independent 15" main from the combined jewell filters to the Bangalore Woollen, Cotton and Silk Mills, Co , Ltd , at a cost of Rs 1 37 lakhs

Both these are costly and the settlement of the question of contribution payable by the Municipality involves much delay and it is also doubtful whether they are prepared to finance the scheme at present.

flag R

The Executive Engineer, Water Supply Division has since reported that the Bangalore Woollen, Cotton and Silk Mills, is the only concern which guarantees to take a minimum of 150,000 gallons per day and are ready to enter into an agreement with the Department, that the four terms of the Mysore Spinning and Manufacturing Co , Ltd , are not acceptable and that the Madras and Southern Mahratta Railway Co , also do not want to pursue the question of entering into a special agreement with the Department at present

Under the circumstances the scheme for Rs 1 37 lakhs is not feasible A cheaper

scheme may therefore adopted for supplying the quantity of water required only by the Bangalore Woollen Cotton and Silk Mills Co , and the larger prospective schemes for laying 18" and 15" mains which were intended for meeting the needs of the growing extensions of Basavangudi, Gavipuram &c for 15 to 20 years to come, may be deferred for the present

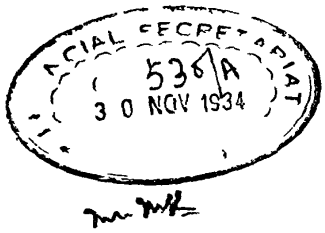
The Executive Engineer, Water Supply Division had suggested an alternative scheme of laying a 9" main from the Low Level Reservoir at a cost of Rs 38,500 only which fetches a handsome return of about 8 per cent on the sum to be invested by Government This scheme designed to meet only the requirements of the Bangalore Woollen Cotton and Silk Mills,Ltd (Flag N)

In calculating the net return a deduction for depreciation charges at 2½ per cent has been made The minimum supply of 150,000 gallons per day required by the Mills and the minimum rate of 10½ annas per 1000 gallons have been assumed The return will be more if the firm agrees to pay the charges at rates according to the sliding scale proposed, viz , 12 annas per 1000 gallons for a minimum daily average consumption of 150,000 gallons and 11 annas per 1000 gallons for a daily average above 150,000 gallons The revenue of about Rs 2,300 per year that is being realised from the Mills at present has been deducted from the gross revenue as suggested in the Financial Secretary's note and the net return calculated on the sum to be invested by Government for this scheme will be about 8 per cent (Flag A)

94

D 288
29 11 34

This 9" pipe gives 62 million gallons a day and is therefore considered suitable At present Arlepet area comprising of a population of about 13,000 people is being supplied by a single 6" diameter main which can discharge 15 million gallons a day only which is very inadequate When any ~~individual~~ other major scheme for supplying Bangalore ~~main is laid later on~~ is taken up this 9" main can be used as an additional distribution main for the Arlapet area



Submitted
Dewan
thro
Jr Sec'

28/11/34

The present proposal is to sanction a capital outlay of Rs 38 500 for laying a 9' main from the Law Level Reservoir for supply of water to the Bangalore Woollen Cotton and Silk Mills Co It is stated that the anticipated net return works up to 8% if no provision is made for additional maintenance establishment and that if only two turnkey men were provided the net return will be 7% It is very doubtful whether there will not be any need for incurring extra maintenance charges (other than establishment charges) and if these charges are taken into account the net return will be less than 7 % As already stated in the note of the Finance Department dated 11th October 1934 there will be no

justification for taking up any capital work unless a net return of at least 8% (4% towards interest and 4% towards sinking fund) is assured after meeting depreciation and working expenses

The present scheme will meet the requirements of only the Bangalore Woollen and Cotton Mills and if later on the Mysore Spinning and Manufacturing Co and the M & S M Railway Company and other Concerns come to a reasonable settlement in regard to supply of water to their concerns there will be need for sanctioning a separate scheme The scheme now sent up for sanction does not also appear to form part of the scheme for running a separate bigger main to Basavangudi

Even if the present scheme is considered remunerative and free from all defects the point for consideration is as to who should finance it Government have agreed to supply 4 million gallons of water daily to the Bangalore City Municipality for a total annual payment of Rs 4 lakhs including the cost of distribution The Bangalore Woollen and Cotton Mills are situated within the Municipal limits and revenue received from any concern within the Municipal limits will have to be regarded as revenue of the Municipality If this be the case the present scheme forms part of the distribution system within the Municipal limits and will have to be financed by the Municipality and the acceptance of the Municipality for the work will be required This point may kindly be examined in the first instance

A

C 13112/34.

Recorded
B & M a
14/12/34

Serial No

WD 862
D/8 2 35

In the notes previously put up the following alternative schemes have been considered for supplying water to the Binny Mills -

(1) for laying a 10" independent main for water supply to industrial concerns from the 24" rising main from Thippagondanahalli at a cost of Rs 82,600,

(2) for laying a 15" independent main from the Combined Jewell Filters to improve water supply to Basavangudi at a cost of Rs 2,60,000

(a) for laying a 15" main from the Combined Jewell Filters to Binny Mills at a cost of Rs 1,37,000 (first stage of scheme No 2),

(3) for laying an 18" gravity main from the Combined Jewell Filters to improve water supply to Basavangudi at a cost of Rs 3 14 lacks, and

(4) for laying a 9" main from the Low Level Reservoir to the Binny Mills at a cost of Rs 38,500

2 The estimate for scheme No (1) was ordered to be kept in abeyance as it was thought undesirable to tap the rising main direct. The two alternative estimates prepared for schemes (2) and (3) for improving water supply to the Basavangudi Extension provided for tapping the main at the Binny Mills for supply to the Mills The estimate for the 15" main forwarded to the Chief Secretary in March 1934 for obtaining the sanction of Government thereto is seen to be

pending

Note —Contn sheet

W D 583—GBPM—2 500—1 11 32

pending disposal with the Municipality The 18" main is capable of supplying 1 46 million gallons of water per day and is sufficient to supply the maximum demand of 0 35 million gallons required by the Binny Mills and 0 2 million gallons required by the Madras and Southern Mahratta Railway Co , and it also acts as a distributing main for supplying water to the present population of 20,000 in Basavangudi, Gavipur, Guttahalli and Sankarapuram Extensions at 20 gallons per head per day This scheme is designed to serve the needs of the prospective population of 40,000 some 30 years hence and it may also serve to supply any other prospective extensions that the Municipality may have under contemplation that side Though the 15" main which is capable of supplying 1 2 million gallons per day, serves the same purposes as the 18" main does it can supply the extensions only at 15 gallons per head per day and may serve to supply the needs of the prospective population for about 15 years only to come This size, if adopted, will thereafter have to be increased Under these circumstances, the scheme for laying an 18" main was recommended to the Municipal Commissioner in preference to that of 15" main

3 The Development Secretary discussed the question of water supply to the Binny Mills with a view to secure orders for the supply of a large quantitity of pipes from the Bhadravathi Iron Works in order to make up the tonnage to the Madras and Southern Mahratta Railway Co , before 1st April 1935 He recommended that the first stage of the scheme fo laying the 18" main only up to the Binny Mills be taken up at a cost of about Rs 1,70,000 for the present, as a sale for the pipes of the Bhadravati

Serial No A

Bhadravathi Iron Works with about Rs 1,40,000 could be found He also points out that the cost of the additional water is only the cost of the power and in this new kind the scheme pays more than 10 per cent.

4. The Binny Mills have been corresponding with this Department for a long time for supplying filtered water to the Mills and are ready to enter into an agreement to take a guaranteed minimum of 0 15 million gallons of water per day at 10½ annas per thousand gallons Their maximum requirements are 0 35 million gallons per day. The net minimum profits or revenue to be realised works out to Rs 1,184 after deducting 2½ per cent depreciation charges on Rs 1,70,000, besides the present revenue of Rs 2,300 realised from the Mills, as per calculation sheet attached, the extra revenue, however depending on the further consumption over the guaranteed minimum, which is expected to go up to 0.35 million gallons per day, assuming that Binny Mills are the only concern that take water. This works out to 0.7 per cent on the capital of Rs 1,70,000 to be invested at present. Later on, when the whole scheme is taken up and completed, the charges now being incurred on the boosters working in the extensions and also on pumping from the Combined Jewell Filters or (later from the Low Level Reservoir) to Basavangudi to the extent of Rs 4,000 plus 8,000 will be savings as these would then become unnecessary and the net revenue realised will be Rs 11,884 which works out to 3 78 per cent on the capital of Rs 3 14 lakhs.

5 The Financial Secretary to whom the several schemes had been referred for opinion from time to time, has opined that the net revenue on the capital invested on any scheme should work out to at least 8 per cent after deducting the working expenses, maintenance charges and also depreciation charges at 2½ per cent He therefore suggests that either the capital to be invested should be decreased or the revenue to be realised correspondingly increased It has to be stated in this connection that water supply should not be treated purely as a commercial concern as it ought to be primarily considered from the utilitarian principle only The water supply in the Basavangudi and other extensions has still to be improved to a considerable extent and besides this, the Municipality has been contemplating to lay out further extensions, which when completed would require either the scheme of 15" or 18" main being taken up by the Municipality and the water facilites cannot be denied to these extensions on the score that the project is not remunerative

6 Under the above circumstances, the first stage of laying an 18" C I Gravity main up to the Mills at a cost of about Rs 1,70,000 which forms part of the estimate for Rs 3,14,000 may be taken up immediately, the remaining portion, for improving the water supply to the Basavangudi Extension being taken up for completion later on when the Municipality would be able to find funds

If this proposal is approved, the Chief Secretary will be requested to obtain the sanction of Government to the estimate with the concurrence of the Municipality

I think the help indicated in the

Serial No

proposal at A to the Bhadravati iron works is a very important point & from that point of view mainly, I suggest acceptance of the proposal at B

Submitted
Dewan
thro
Sec'y DD
&
Sec'y FD

8/2/35

Though Bhadravati is responsible for my writing on this case, I have examined it from all points of view

2 Taking a long view, it is economical to adopt a scheme which will serve all interests concerned The 18" mains will enable water being supplied to Bowring mills State Ry stations, other factories and Basavanagudi etc

3 The question was informally discussed with the President, Bangalore City M' council who has no objection to Govt undertaking the scheme and taking the additional revenue He is agreeable to the whole question being reopened when the M' council is in a position to take

WD 583—GBPM—2 500—1 11 32

up The entire scheme later A refunce may
be made Wth Govt comment and this View confirmed

4 The scheme keeps us an additional
revenue of Rs 27000, with out additional expense
except provision for depreciation amounting to
Rs 4250 So The new capital of Rs 170 000 earns
over 13% interest It does not matter in what
department it is realized I submit that
this is the correct way of calculating the results
and not by taking the present rate cost of 1000 gallons

5 The bulk of the expenditure is
on pipes etc and this will enable Bhawanagar
Town works to manage with out additional
working Capital which will inevitably
have to be given otherwise and will also
ensure the rebate of about 20,000 Rs

6 The Wells have been entirely
working for over 50 years supply and they
may have difficulties in summer
If they have to shut down for want
of water, the electrical & other revenues
of Govt will be affected

7 For these reasons
I recommend that this proposal
may be sanctioned immediately

8 The works may be asked
to commence Govt at once on receipt of
formal orders

Yours etc

OFFICIAL
JCI 780 /A Thirty H Seely

C×2

Calculation Sheet

(A) (1) Gross Revenue at 150,000 gallons for 300 days at 10½ annas per 1000 gallons

300 x 150 (10 5 - 7 75) annas (7 75 annas being the cost of filtered water delivered at the Combined Jewell Filters)

= Rs 7,734

	Rs
(2) Deduct depreciation at 2½ per cent on Rs 1,70,000	4,250
(3) Deduct present revenue	2,300
Total deductions	6,550
(4) Net revenue on the capital outlay of Rs 1,70,000	Rs 1,184
(5) Percentage return	0 7 per cent

(B) After completion of the scheme cost Rs 3 14 lakhs.

	Rs
(1) Gross Revenue .	7,734
(2) Savings in power charges .	12,000 X
	19,734
(3) Deduct depreciation at 2½% on Rs 3 14 lakhs . .	7,850
— Present Revenue 2300 not deducted —	11,884
(4) Net revenue	11,884
(5) Percentage return	3 78 per cen

F780/A

Serial No

The scheme is recommended for sanction on the following grounds -

(1) The scheme brings in an additional revenue of about Rs 27 000 a year

(2) Out of Rs 1 70 000 being the estimated cost of the first stage Rs 1 40 000 represents cost of pipes to be supplied by the Bhadravati Iron Works

(3) By sanctioning the estimate immediately and getting the pipes before 1st April 1935 the Iron Works will get a rebate of Rs 20 000 from the M & S M Railway Company

(4) It will form part of the line to Basavangudi which has to be laid eventually

I have no objection to the estimate being sanction on these grounds

The source from which the capital cost has to be met has now to be considered There is no doubt that this relates to distribution within the Bangalore City and that the Capital cost to be incurred in connection with distribution has to be financed by the Bangalore City Municipality The Municipality may be asked to finance the work by utilising a portion of the loan of Rs 9 lakhs sanctioned by Government This is the simplest arrangement and will enable the Municipality to earn -- larger revenue and will reduce the amount of subvention payable by Government

If however the Municipality is not agreeable to finance the scheme, the scheme has to be sanctioned out of Capital grants of Government, on the following conditions -

(1) Amount to be met by reappropriation of Capital grants

(2) This scheme should be considered as quite independent of the scheme under which Government are now supplying water to the Bangalore

WD 3165—GPS—500—27-5-32

Serial No

Bangalore City Municipality (Supply of three million gallons of water daily for an annual payment of Rs 4 lakhs including the cost of distribution)

(3) (2) The revenue realised from the Binny Mills in excess of what is now received (about P 2300) and revenue that may be received on account of water supplied from this new main to others will be treated as revenue of Government from this scheme

(4) (3) If later on the Municipality want to extend the Main up to Basavanagudi or wish to take away the new Main they may be permitted to do so after paying to Government the capital spent up to the date of transfer the revenue received in the meantime being the property of Government

The specific concurrence of the Municipality for either of the two courses suggested above will be necessary

Proper agreement should be taken from the Binny Mills regarding the stipulated payment

12-2-35

As agreed by the Finance Secy the scheme maybe sanctd

formal orders may issue after the contract and the relations with the Bangalore city Mcty are finally confirmed

Meanwhile the chief Engineer may kindly arrange for the papers being received at Bangalore or wherever as the case maybe The Engineering works may be authorised to commence despatches

Dewan

12 2 35

13-2-35

16 2 35

NOTE—Contn Sheet

WD 2165—GPB— 00—27 5 32

Serial No

Water Supply — Bangalore City

By the courtesy of the Chief Engineer I have been able to note on this scheme in which the Bhadravati Iron works are interested as supplier of pipes They are anxious to secure some large orders immediately in order to make up the torrage to the Madras and Southern Mahratta Railway before the 1st of April 1935

Three schemes have been under consideration --

1 To lay a 18" main from Jewell Filters to Binny Mills and continue the same to Chamarajapet and Basavargudi -- estimated cost Rs 3 61 000

2 To lay a 15" main from Jewell Filters to Binny Mills " 1 37 000

3 To lay a 9 main from the Low Level Reservoir to Binny Mills Rs 38 500

The first one was not pursued as the Municipal Council is not anxious to finance their ~~proxix~~ portion of the work The second one has met with serious financial opposition as not yielding sufficient return on capital and the third one has been prepared in consequence, to meet this objection though it is considered not satisfactory from many points of view

Taking a long view of the situation it seems to me to be desirable that the first scheme should be adopted and only the 1st stage up to Binny Mills sanctioned immediately Sooner or later its extension to Chamarajapet

NOTE—Contn Sheet

WD 01955—GPB—22 00—12 6-34

Chamarajapet and Basavangudi will be necessary and the question of apportioning the Capital ~~expense~~ of the entire project may be considered later

So far as the second scheme is concerned it will be better to lay a 18" main rather than the 15' or 12" main as the former will be capable of serving other areas later The 9 pipe line project from the Low Level Reservoir does not seem to be acceptable as it can serve only during the immediate present In the long run it will prove much costlier I have roughly calculated that the cost of the 1st stage of the combined 18 project will be Rs 1 70 000 of which the cost of pipes alone will be Rs 1 42 000

In assessing the financial advantages of the scheme I am afraid one important aspect has been overlooked by both the Engineering and Finance Departments From the guaranteed revenue from the Binny Mills the cost of water is deducted at 7 75 annas per thousand gallons But the ~~extra~~ additional 35 million gallons water pumped will not cost the same The only item under which there will be an increase is Electric Power and this will be comparatively small In any case the extra cost of the additional supply may not exceed 2 annas per 1000 gallons as the Depreciation interest and maintenance of stand-by plants alone cost about 4 5 annas Even taking the balance as the cost of

Serial No

of water the scheme will give a ret ~~return~~ of about Rs 15 000 which is a satisfactory return on capital exprditure of Rs 1 70 lakhs

It must not also be forgotten that the stock of pipes at Bhadravati which ~~are~~ not earring any interest at Bhadravati will be used

From all points of view I would urge that the bigger project be sanctioned and only the first stage be taker up for execution immediately

Secy to Govt P W Dept with enclosures

W.O. 308/41 138

18/135

WD 0 95 —GPB—22 00—1 6 31

File No of 1°3 General and Revenue Secretariat

Public Works Department
Central Office

File No
40 10 W 179 8 5 2 1935 of 193

Serial No

The file re: the renewal of the Davangere rising main is ascertained from the Development Branch to have been referred to the Financial Branch

As regards water supply to the Binny Mills, an estimate amounting to Rs 2 60 lakhs for laying a 15" independent main from the Combined Jewell Filters to Basavangudi to improve the water supply to Basavangudi extension was forwarded to the Chief Secretary in March 1934, and is understood to be under th consideration of the Bangalore City Municipality

The Executive Engineer, Water Supply Division, was requested to examine whether the proposed 15" main could also supply water to the Industrial concerns like the Binny Mills, M S.M Railway Co , etc , and whether it is necessary to increase the size of the main so as to make it sufficiently large to supply the needs of the Industrial concerns and also certain higher portions of Visvesvarapuram and Shankarapuram extensions The Executive Engineer submitted an estimate amounting to Rs 3 61 lakhs whic was subsequently modified to Rs 3 14 lakhs This is for laying an 18" cast iron main from the Combined Jewell Filters to Basavangudi This scheme is being recommended to the Municipality for consideration in preference to the scheme for laying 15" main as the former not only improves the water supp to Basavangudi and other extensions like Gavipura, Cuttahalli and Sankarapuram but also serves to supply the needs of the industrial concerns This scheme is also favourable to the Municipality due to the fact that the main can supply water t the new extension that the Municipality is contemplating to lay out But it may take a long time before a decision is taken by the Municipality to finance the scheme and take it u

To suit the immediate needs of the Binny Mills who are urging for supply of water, an alternative scheme of laying a 9" main from the Low Level Reservoir to the Mills at a cost

Note —Contn sheet.

W D 82—GBI M—5 000—23-11 32

Public Works Department
Central Office

File No

of 193

Serial No

cost of Rs 38,500 is being recommended to Government for sanction This main may, later on, be adapted as an additional distribution main for the Arlepet area when any other major scheme for supplying Basavangudi is taken up This scheme is not recommended by the Development Secretary

The note of the Development Secretary on the Bangalore City water supply is also put up

Development Secretary
with compliments

4/2/35

W D No 179
D/S 2 35

Telegraphic Address HYDRAULICS

All Communications should be addressed by title and not by name In all future correspondence please quote this No 193

1 Report
1 Estimate
2 Calculation Sheets
1 Plan (Wellfield)
1 Hydraulic gradient chart

GOVERNMENT OF MYSORE

PUBLIC WORKS DEPARTMENT

OFFICE OF THE EXECUTIVE ENGINEER
WATER SUPPLY DIVISION,
Dated Bangalore 20th Sept 1934

OFFICE OF CHIEF ENGINEER Recd No 2207 Date 20 9 34 BANGALORE

FROM
THE EXECUTIVE ENGINEER
WATER SUPPLY DIVISION
BANGALORE

To

The Chief Engineer of Mysore,

Bangalore

SIR

Modified estimate for laying an 18" cast iron gravity main from Combined Jewell Filters to Basavanagudi

---

I have the honor to submit herewith the above estimate amounting to Rs 3,14,000/- for perusal and further action An estimate for laying an 18" main was submitted in this office No 1330 dated 23rd June 1934 for Rs 3,61,000/- This is modified as desired, by omitting provision for tanks and providing for the link between the 18" main and the Bangalore Woollen Cotton & Silk Mills Co Ltd , up to the Mill gate The internal connection will be made by the Mills at their cost

In considering the financial aspect of the scheme, the revenue accruing from only the Bangalore Woollen, Cotton & Silk Mills Co , is taken into account Provision is however made in the estimate for a supply of 200000 gallons from the Madras & Southern Mahratta Railway We may get a demand for this from this source or some other concern

The revenue to Government works up to 3 % on the capital cost of Rs 3,14,000/- If the Municipality contribute Rs 1,00,000/- the percentage will rise to 5 7 This is taking the rate for 1000 gallons at 10½ annas If taken at 11 annas and 12 annas, the

the percentages on Rs 3,14,000/- will be 4 2 and 5 1 respectively

The Mysore Iron Works have 17000 feet of 18" pipe in stock and the balance will be supplied in 6 weeks of placing the order

The scheme deserves to be sanctioned and worked out very early for relieving the acute distress for water now felt in some portions of Basavanagudi and Chamarajapet

I have the honor to be,
Sir,
Your most obedient servant,

Executive Engineer, 28 9 34
Water Supply Division

1C-20

Telegraph Addre HYDRAULICS

All Communications should be addressed by title and not by name In all future correspondence please quote this No 558/22

GOVERNMENT OF MYSORE
PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER
WATER SUPPLY DIVISION
Dated Bangalore 21st February 1935

FROM
THE EXECUTIVE ENGINEER
WATER SUPPLY DIVISION
BANGALORE

OFFICE OF CHIEF ENGINEER Regd No 8440 Date 23 2 35 BANGALORE

342
28/2/35

To
The Chief Engineer of Mysore,
BANGALORE

SIR

Regarding estimate for 18" pipe line from Combined Jewell Filters to Binny Mills

With reference to your D O No 938 dated 15th February 35, I have the honour submit herewith an estimate for Rs 1,00,000/- for laying an 18" main from Combined Jewell Filters upto the Binny Mills This estimate is a part of the estimate for Rs 3,14,000/- for laying an 18" main from Combined Jewell Filters to Basavangudi submitted to you with this office No 193 dated 20th September 1934 The present estimate is for laying a length of 16,476 Rft of 18" pipes upto the junction of main Arlepet Road with the cross road leading to the Mills, out of the total length of 26,100 Rft provided for the whole estimate

Originally a 15" main was proposed to Basavangudi but subsequently it was proposed to increase the size so as to give water to industrial concerns like Binny and other Mills by the side of which this main runs To meet this increased demand the size is necessarily to be increased to 18"

The report, the hydraulic gradient charts, and the plan of alignment sent with this office No 193 dated 20 9 34 for 18" main remain the same for the present enclosed estimate also which is nothing but a part of that estimate However a detailed

detailed report for this estimate is also enclosed which throws light on further details

I have the honour to be,

S i r,

Your most obedient servant,

22 2 35

Executive Engineer,
WATER SUPPLY DIVISION

General and Revenue Secretariat | File No | of 193 | [App F III 216

230

Serial No

CHIEF SECRETARY'S OFFICE
18 FEB 1935
No. L 685

Forwarded with Compliments to the Chief Secretary to Government, for favour of circulation among the Members of Council

1. As there is not much time before 1/4/35, by which time all the pipes should be in Bangalore I think it would facilitate matters if advance orders are issued to the Contractor, pending the consideration of the scheme in Council

Submitted
Dewan)

15/2/35

I agree

18-2-35

D 862
18/2

Office

As soon as the orders of the Dewan are received necessary instructions should be issued without waiting for the file to be sent to the Dept

15/2/35

Forwarded with compliments to the Chief Secretary to Government for favour of circulation among the Members of Council.

Orders have been placed today with the Mysore Iron Works for the pipes required as per orders of the Dewan.

CHIEF CLERK
21 FEB 1 35

20-2-

20

Chief Secy)

20/2/35

NOTE—Contn Sheet

(A brief abstract of the Scheme is also placed before Council)

WD 01955—GPB—22,502—12-6-34

File No | of 193 | General and Revenue Secretariat

For Disposal by Circulation

No C 230

7 1934-5

GENERAL AND REVENUE SECRETARIAT

Council Matter

Subject

Scheme for laying an 18" cast iron independent main from the Combined Jevel Filters to Basavangudi, to improve the supply of water to that extension and also facilitate the supply of water to industrial concerns like the Binny Mills

Circulated to the Members of Council

By Order

R Sargent

ruary1935 *Chief Secretary to Government*

0262 28/2 First Member of Council 28/2/35

CE

21 AR 1935

Second Member of Council (on tour)

98 M 3 35 Resubmitted with a draft Submission note

Secretary 14/3/35

12/3

Secy PWD with Compliments

Re 1/3

DSN 14/3/35

Brief abstract of the scheme for laying an 18" cast iron independent main from the Combined Jewell Filters to Basavangudi

---

Of the several alternative schemes that have been considered for laying an independent main to Basavangudi Extension from the Combined Jewell Filters, the scheme for laying an 18" independent main has been considered to be the best suited for adoption Though a 15" main would suit the requirements of the Basavangudi Extension, it is considered necessary to increase the size to 18" in order to give water to the Industrial concerns like Binny and other Mills by the side of which this main runs This scheme costs Rs 3,14,000 and after completion, water supply to the Basavangudi and other southern extensions of the City where, in spite of the heavy working and power charges incurred on the boosters installed in the extensions the supply at present cannot be considered to be very satisfactory, will be improved In view of the increasing population and the new extensions contemplated by the Municipality this scheme is devised to meet the needs of the prospective population of about 40,000 of all the southern extensions some 30 years hence

2 The first stage of the scheme to lay the pipe line up to the Binny Mills is now proposed to be taken up immediately as recommended by the Public Works Secretary, the Development Secretary and the Financial Secretary Out of the estimated cost of Rs 1,90,000 for the first stage of the scheme, the cost of pipes to be got from Bhadravati, works out to Rs 1,47,000

3 The revenue guaranteed by the Mills is Rs 5,4[illegible] per year in addition to the present revenue of Rs 2,30[illegible]

which is conserved This revenue is expected to increase considerably when the whole scheme is taken up and completed as the Minerava Mills, Mysore Mills, smaller factories and the suburban colonies are expected to take supplies from the main for industrial purposes Besides, the present expenditure of a sum of about Rs 12,000 being the power and working expenses of the boosters now working in the extensions will be saved later on

4 The cost of the scheme has to be met entirely by the Bangalore City Municipality and in case Government have to undertake the scheme owing to the inability on the part of the Municipality to finance it or for any other reason, the future relations that should exist between the Government and the Municipality have to be well defined in an agreement The manner in which the present scheme has to be financed will have to be taken up with the Bangalore City Municipality

For Chief Engineer of Mysore

TSRN

Submitted to His Highness

His Highness's gracious approval was obtained to keep under abeyance the estimate for Rs 82,600 sanctioned for laying a 10" independent main for supply of water to the Industrial concerns in Bangalore City

2 The Secretary, Public Works Department, has now submitted an estimate amounting to Rs 1 9 lakhs for laying an 18" cast iron independent main from the Combined Jewell Filters up to Binny Mills which forms the first stage of the scheme for laying the main to improve ultimately the water supply to the Basavangudi Extension at a cost of Rs 3 14 lakhs Of the estimated amount of Rs 1 9 lakhs, the cost of pipes ordered from the Mysore Iron Works, Bhadravati, works out to Rs 1 47 lakhs

3 The revenue guaranteed by the Mills is Rs 5,434 per year in addition to the present revenue of Rs 2,300 which is conserved This revenue is expected to increase considerably when the whole scheme is taken up and completed as the Minerava Mills, Mysore Mills, smaller factories and the suburban colonies are expected to take supplies from the main for industrial purposes Besides, the present annual expenditure of about Rs 12,000 being the power and working expenses of the booster pumps now working in the extensions will be saved later on

4 The cost of the scheme has to be met entirely by the Bangalore City Municipality and the manner in which it has to be financed will be taken up with the Bangalore City Municipality

5 The estimate which has been approved by the Members of Council and myself may graciously be sanctioned

Mirza M Ismail

12/3/35 Dewan

Bangalore
12. 13 March 1935

Statement of Cases submitted for the Orders of His Highness the Maharaja during the Tour outside the State in March 1935

Register No	Subject	Orders of His Highness	Order regarding submission of files (*vide* foot note)
485	Estimate amounting to Rs 1 9 lakhs for laying 18" cast iron independent main from the Combined Jewell Filters up to the Binny Mills Bangalore City	Yo 479 KRMP, 15/3/35	C Leg 21-3-35 RR 21/3/35

No s —The letter a b or c may kindly be inserted by the Private Secretary to His H ghness in the last column to indic te whether
File may be submitted at once
File may be subm tted after His Highness return
File m y not be subm tted at all

WD 499—GPB—250—19 9-34

Ex L 230

General and Revenue
Secretariat

SUBJECT – Estimate amounting to Rs 19 lakhs for Cap... of 18" Cast iron pipes from the Combined gravel filters at Bunny Mills Bangalore etc

Circulated to Members of Council for perusal of His Highness orders before/after issue of orders (*Vide Rules* 31 33 a d 34 of the Subs diary Rules for the co d ct of bus ness of Co nc l the M nual of Co c l R les nd Procedure)

Chief Secretary to Government

Thr gh the S cret ry to Gover ment

Department

FIRST MEMBER OF COUNCIL

SECOND MEMBER OF COUNCIL

Secretary P.W.D. Dept.,
With Compliments

NOTE —Contn sheet

Public Works Secretariat | File No | of 193

Serial No

No 337 — — — (Fag O)

In his note dated 12th February 1935 the Financial Secretary has pointed out two alternative sources for financing the works As the scheme relates to the distribution within the Bangalore City, it has to be financed by the Bangalore City Municipality He has therefore suggested that the Municipality may be asked to finance the work by retaining a portion of the loan of Rs 9 Lakhs sanctioned by Government or as an alternative that Government may finance the work out of the Capital grants subject to the conditions and the future relations that should exist between the Government and the Municipality as referred to in the note.

The file may therefore be forwarded to the Chief Secretary for obtaining the Specific Concurrence of the Municipality to either of the Courses suggested by the Financial Secretary The detailed estimate amounting to Rs 1,90,000 for the first stage of the scheme is also put up which requires the Countersignature of the Municipality in case they are agreeable to finance it

GEN & REV. SECTT. 45 41 - 9 APR 1935 LSG

(the M

CHL 8 APR 1935

Note —Contn sheet

WD 564—GBPM—5 000—21 10-32

Mr Chief Sec

Please put up draft letter accordingly MM 9/4

1541 Water supply to Bangalore, Woollen cotton silk mills Co. Ltd.

General and Revenue Secretariat — File No 219 454 of 1934-35 — [App. F III-2]

Serial No	
	Draft to the Municipal Commrs sent for approval Rmr for 10/4 Please get the draft typed as revised ASG 15/4
	Typed draft submitted for approval Rmr for 17/4 Chief Secy ASG 17/4
R 133	2nd Member PLR 21-4-35 ASG 20/4
	JPR 20/4 Rd 22/4 Issue today ASG 24/4
2	The Municipal Commissioners, Bangalore No. L 7383 dated 24-4-35 Calls for the resolution of the Municipal council as to which of the two courses mentioned therein is acceptable to them
	Draft Reminder submitted Sup 24/5
	Rmr 22/5 Issue at once ASG 22/5 Issued No L 8081 dt 25-5-35
	Sup 30/5

TYPING SECTION * 24 APR. 1935 * GENL & REV SECTT

TYPING SECTION * 22 MAY 1935 * GENL & REV SECTT

NOTE—Contn Sheet.

File No 219 of 1934 — General and Revenue Secretariat

Immediate

The L S G Dept is requested to state whether any additional grant is required for in connection with the supply of water to the Binny Mills. The connection may kindly be put up for orders

12/6

Until the question as to who should take up the scheme is finally settled, it is not possible to say whether any additional grant is required. Orders may however be obtained when file is put up

15/6

The Municipal Chairman has not yet furnished the opinion of the Council as to which of the alternatives proposed in this Office letter of 24.4.35 regarding the financing of the Scheme is acceptable to them. He was reminded on 25-5-35

Orders for the supply of pipes for this work from the Bhadravati Iron Works were placed on 20.2.35 by the P W Dept. It does not clear if the pipes have been supplied & whether payment for the pipes has to be made during the current year and if so how much

Re water supply to Bunny mills, Mysore

General and Revenue Secretariat — File No 219 of 1934-35 — [App F III 2

The P W Secy maybe consulted H O in the first instance

Chief Secy)

14/6

for Ke 14 6 35

Forwarded with compliments to the Secretary to Govt, P W Dept for favor of remarks very early

By order

Asst to Secy

for Chief Secy/Dept

Ke 14 6 35

Returned with Compliments to the Chief Secretary to Government

2 It is ascertained from the Executive Engineer, Water Supply Dn I that the entire quantity of pipes indented for from the Mysore Iron Works has been supplied and laid for

3 The outlay incurred on the work to end of May 1935 is as noted below.

1) Cost of pipes Rs 1,34,788 of which Rs 1 lakh has been paid by way of adjustment towards loan and Rs 34,788 by cash as advised by the Comptroller

NOTE—Contn Sheet

Water Supply to Bunny Mills, Bangalore City

File No of 193

General and Revenue Secretariat

B/f Rs 1 34788

3) Cost of Conveyance of pipes 2,041
5) Payment on book bills 1,746
Total Rs 1,38,575
4) Value of lead issued Rs 1,700
Grand Total Rs 1 40, 275

for Secretary (Works)

for perusal.

The Mc Commissioner will be reminded about the urgency that is pending reply

24-6

OFFICE OF THE SECOND MEMBER OF COUNCIL 25 JUN 1935 No

25/6

26/6

Please submit Report for the Commr

Records for the I Member's Library

25/6

Water Supply to Bldg Mills

4541 √199

General and Revenue Secretariat | File No | of 193 | [App F III 2

TYPING SECTION 29 JUN 1935 GENL & REV SECTT

Sus A

4/7/35

Draft Do to the Municipal Commr submd

Rem 28/6 JM

Issue JM 28/6

Issued Dr L 1 dated 1-7-35

D.O. letter No. Ps-2265 dated 10-4-35 from the Municipal Commissioner, Bangalore city stating that the subject is under the consideration of the Managing Committee. Further communication may be awaited

Rem 12/7 MV/7/7

Yes, for a fortnight

Aug 15/7

Sus B till 31/7/35

16/7

No reply has yet been received. A draft reminder is submitted for approval.

Rem 2/8 MV/7/8 Issue

Issued vide 1010 of 31/8/35. Board Engineer Bldgs engineers have the matter studied at present etc.

C SECTION 2 AUG 1935 GENL & REV SECTT

Sus

for 12/8

NOTE—Contn Sheet

File No of 193

General and Revenue
Secretariat

City Municipal Office

No A1-625-
34-35

Bangalore, dated 1st Oct 1935

11538

From

M SESHADRI ESQ M A
Municipal Commissioner
Bangalore City

To

K V. Anantaraman, Esq , B A ,
Chief Secretary to the Government of
His Highness the Maharaja of Mysore
Bangalore

Sir

With reference to correspondence ending with your letter No L 1010 dated 3rd August 1935 regarding the laying of a 18" main to the Binny Mills at a cost of Rs 1,90,000/- I have the honor to state that the Managing Committee before whom the subject was placed have resolved to wait upon the Government on a deputation in the matter

Submitted for personal info
me connected file

I have the honor to be,
Sir,
Your most obedient servant,

M Seshadri
Municipal Commissioner

OFFICE OF THE
MEMBER OF COUNCIL
13 OCT 1935

Forwarded with compliments

Hon President

REPLY

(To be written on this margin)

No 2396

OFFICE OF THE
SECOND MEMBER OF COUNCIL

NOTE

Dated 18th October *1935*

***

A deputation of the Managing Committee of the City Municipal Council Bangalore met me in connection with the letter of Government regarding the taking over of the line from the Jewell Filters to the Binny Mills and requested the following concessions - water Supply

1 The estimate for the first portion up to Binny Mills may be revised in such a way that the pipes are charged only at the present rate i e , Rs 5-12-0 instead of the original rate Rs 7-8-0

2 That the first stage up to Binny Mills may also be treated as part of Water Supply Agreement of the Municipality and not an independent one , if the Municipality were to take over the entire line and

3 The cost of the first stage may be permitted to be paid in instalments The Municipality are willing to pay for and construct the second stage out of the loan funds as directed

The Chief Engineer may be consulted on these points

Chief Secretary,
with compliments

21/10

1991 15-38

(6M

General and Revenue Secretariat	File No	of 193	[App F III—2

Serial No

CHIEF SECRETARY
1 OCT 1935

No 63-35
23-10-35

Secret Regd
No 07/188
23 10 35

Brink
called
call for a report
from EE 18 a.m. when
a week

d
1910

WJW

The Chief Engineer will if appd, be
consulted unofficially on the points referred to
in the Members minute -

Chiefsecy Yes 21/10
2/10

Forwarded with compliments unofficially to
the Chief Engineer for favor of opinion

By Order
Anbavarao
for Chief Secretary

NOTE—Contn Sheet

W D 03594—GPB—30 000—18 7 35

File No of 193

General and Revenue Secretariat

Water Supply to Binny Mills

2215/2

General and Revenue Secretariat | Mg File No 219 of 1934 | [App F III—2

Serial No

Letter No A1 825/34 35 dated 15-11-1935 from the Municipal Commissioner, Bangalore city forwarding the resolution of the Municipal Council that the entire cost of laying the 18" main from the Combined Jewell Filters up to Binny Mills be borne by the Municipality subject to certain conditions and that the estimate for Rs 1 60,700 for extending the main to Basavangudi be approved and a sum of Rs 1,20,000 be paid for the work this year

The connected file has been referred unofficially to the Chief Engineer for remarks on certain points mentioned in the deputation of the Managing Committe of the Bangalore city Municipal Council on the Second Member The return of the file may be awaited

Submitted for orders

Secy 18/11 MV 18/11

This file may also be sent to the Chief Engineer in continuation with a request that when the file may be returned early with his remarks thereon

Chief Secy 18/11 Ys 18/11

Forwarded with Compliments and Request to the Chief Engineer for favor of remarks & return of both the files on the subject - early

By order
Asubba Rao
For Chief Secretary C

Fr 2215 20-11-35

CHIEF SEC'Y 18 NOV

20NOV 79-35

Fr 19-11-35

NOTE — Contn Sheet

Br 11 G

G 11 N 21 N

P.D 03 34—GPB—30,000—18-7-35

File No	of 193	General and Revenue Secretariat

Serial No

The deputation of the managing Committee of the Bangalore City Municipal Council have requeste that the first stage of the New 18" main from the Combined Jewell filters up to the Binny Mills may be treated as part of the Water Supply agreement of the Municipality and that they be permitted to take over this portion reducing the rate for the cast iron pipes to Rs 5-12-0 per Cwt instead of the original rate of Rs 7-8-0 per Cwt provided in the estimate They are agreeable to bear the entir cost of the second stage of the work i e , the extension of the line from the Binny Mills to Basavangudi out of the loan funds sanctioned to th

2 Th cost of the estimate for the 18" main from the Combined Jewell Filters to the Mills is Rs 1,90,000 The rate provided therein for Cast i pipes is Rs 7/- per Cwt , and not Rs 7-8-0 as statec by the Deputation If the rate of Rs 7/- as provided in the estimate should be reduced to Rs5- per Cwt as requested by the deputation, the cost of the first stage debitable to the Municipality will be about Rs 1,60,000 and Government will have to meet the balance of Rs 30,000 being the cost of pipes due to the higher rate paid by them to the Iron Works

3 The Municipal Council have, at their meeting held on 9-11-1935, agreed to take over the 1st st of the main and pay the cost thereof in five annual instalments and have stipulated that the

e —Contn sheet

WD 581—GBPM—5 000—19 10-32

Serial No

excess water charges hitherto recovered from the Binny Mills i e , from 10-10-1935, the date of starting service to the Mills be credited to them

4 The points that require settlement in this connection are -

(1) Whether it is binding on Government that the 1st stage of the main up to the Binny Mills should be handed over to the Municipality and whether the receipts from the Industrial main also credited t them

(2) If so, whether the reduced rate of Cast Iron pipes should be taken into consideration

(3) In view of t e fact that the water supply scheme has not proved remunerative, whether it would not be desirable for Government for some time to come, to continue to take the receipts f the mills to Government without pressing the Municipality to pay the cost of the first stage

5 Reference is invited in this connection to Financial Secretary's Note dated 12-2-1935, where has stated that "this main no doubt, relates to distribution within the Bangalore City and the capital cost to be incurred in connection with distribution has to be financed by the Bangalor City Municipality The Municipality may be ask to finance the work, by utilising a portion of loan of Rs 9 lakhs sanctioned by Government Thi the simplest arrangement and will enable the

WD 581—GBPM—5 000—19 10-32

Serial No

Municipality to earn larger revenue and will reduce the amount of subvention payable by Government" As an alternative he has suggested that"the scheme should be considered as quite independent of the scheme under which Government are now supplying water to the Bangalore City Municipality(supply of 3 million gallons of wate daily for an annual payment of Rs 4 lakhs includi the cost of distribution) The revenue realised from the Binny Mills in excess of what is now received(about Rs 2,300) and the revenue that may be received on account of water supplied fro this new main to others will be treated as reve of Government from this scheme "

6 Supposing that the Municipality cannot insi on the Government handing over the 1st stage of the main to them, the financial position of the water works would be as shown below -

Capital expenditure

1 Outlay on dam and allied works and waste weir & allied works	65 11	lakhs
2 Interest charges during construction	5 17	lakhs
3 Present value of old works proposed to be debited to New works	3 75	lakhs
4 Cost of the 18" Industrial main	1 90	lakhs
Total	75 93	lakhs

II Revenue from -

1 City Municipality	4 00	"
2 C&M Station	3 48	"
3 Excluded areas	33	"
4 Binny Mills	60	"
Total	8 41	lakhs

Note —Contn sheet

WD 581—GBPM—5 000—19 10-32

Serial No

III Working expenses -

1 Maintenance	88,800	
	3,80,000	
	4,68,800	4 69 lakhs
2 Depreciation		87 "
Total		5 56 "

Revenue minus working expenses(8 41-5 56) = Rs 2 85 lakhs Percentage return on Rs 76 lakhs is $\frac{2\ 85 \times 100}{76} = 3\ 75$

Therefore the percentage loss owing to 5 5% interest charges (assumed in accounts) on the capit invested will be (5 5-3 75) = 1 75

If the main is handed over to the Municipality as desired by them, the capital will then decrease to Rs (75 93-1 9) = 74 lakhs

The receipts will also get reduced to Rs (2 85- 60) = 2 25 lakhs

The percentage return will then work out to $\frac{2\ 25 \times 100}{74} = 3$, and the percentage loss to Government will there increase from 1 75 to(5 5 - 3) = 2 5

7 According to the Government Order of August 1933, the subvention payable by Government to the Municipality to make up Rs 4 lakhs that the latter should pay towards the cost of water supplied to them, is Rs 30,000 a year The receipts from Binny Mills alone work to Rs 40,000 per year, which in the near future is likely to increase to Rs 70,000 The Mysore and the Minerva Mills have also proposed that they would guarantee to take

(C Amm)

Note —Contn sheet

WD 581—GBPM—5 000—19 10-32

Serial No.

to take 50,000 gallons of water per day and this if agreed to by Government will give an additional revenue of Rs 15,000 a year. Thus, if the main up to the Binny Mills is handed over to the Municipality along with the receipts that it is fetching Government will be saving the subvention of Rs 30,000 and the Municipality will be getting an additional revenue of Rs 50,000 in due course. Even then the project will be showing a loss of 12½ to Government on the capital invested

8 The present Executive Engineer, Water Division is of the opinion that the first steel main up to the mills may continue to be retained by Government and that contribution of about Rs 50,000 be demanded from the City Municipality the service that this first length of the main renders in supplying water to the Basavangudi Extension, so that Government may not suffer loss the extent they are at present incurring on the capital invested.

9 The quantity of water at present pumped to the Combined Jewell Filters from the Chamraj Sump is said to be 6.6 million gallons per day as an average at present. With the increasing consumption of water in the City and its extensions in future, the pumpage will have to be soon increased in which case the capacity of the filters and the sedimentation tanks will have to be suitably increased. This will mean additional capital expenditure to Government without any corresponding return and the

Municipal Dept. Water Works Section

Serial No

and the result will be that the project will show an increased percentage of loss in the years to com

10 I therefore agree with the Executive Engineer in his opinion that the Industrial main should remain in the ownership of Government but I would not recommend any contribution being levied from t Municipality towards its cost The Municipality may however be permitted to extend the main from its present terminus at the Binny Mills to Basavangudi and also to tap the main by sub-mains for water supply to the Srirampur Extension, since all the excess consumption over the limit of 3 million gallons per day will also be paid for by them wi the water supply to Basavangudi is improved and when service is given to the contemplated new extensic

Chief Secy

30/11/35

The Financial Secretary may be consulted on the above proposal of the Chief Engineer

Chief Secy) Asst 3/12

The proposal of the Chief Engr may be approved

2nd Member & Dewan) 4/12 Asst 4/12

I agree MM 6/12/35

6-12-35

7/12/35 Please submit draft

WD 581—GBPM—5 000—19 10-32

TRNSN/30 11

DEVELOPMENT OFFICE 6 DEC 1935 No 3682

Note of contents sheet SECOND MEMBER OF COUNCIL 5 DEC 1935 No 4350

Water supply to Sunny Mills

4541

General and Revenue Secretariat | ME File No 219 of 1934 | [App F III—2

Serial No

A draft G O is submitted for consideration

Rmr 10/12 MM 10/12 (Chief Secy) Asst 11/12

Issue Mem 16/12 16/12

SECTT 18 DEC 1935

Fl case to 39

For financial Secretary's opinion. Please see flag A

Draft-Hgh Court.

ENGG SPC CN 17 DEC 1935 L & REV SECTT

26 MM 20/12 23/12

For perusal

Fl Secy) 23/12/35

Issue 24/12/35

Communicated

4 The Municipal Commissioner, Bangalore city
Chief Engineer
Dr of Health
Comptroller through the Fl Secty

No L 4750-3 dated 20 12-35

Directs that the estimate for Rs 1,9 00 be executed out of State Funds & that the Municipality be permitted to take up the second portion of the work estimated to cost Rs 1,60,400 subject to certain conditions & requests the Chief Engineer to send up the two estimates for sanction

2/1/36

NOTE—Contn Sheet

WD 03594—GPB—30 000—13 7 35

File No | of 193 | General and Revenue Secretariat

No L 7383 and estimate
ml 219-34 dt 14-6-35
2

To

The Municipal Commissioner,
Bangalore City
(through the President)

Sir,

With reference to the correspondence ending with your letter No A 1-825/34-35 dated 17th September 1934 regarding the estimate for Rs 2,60,000 for laying a 15" independent main for the improvement of water supply to Basavangudi I am directed to state that it is now considered necessary to increase the size of the main to 18' in order to supply water to the industrial concerns like the Binny and other Mills by the side of which the main runs This scheme is estimated to cost Rs 3 14 000 and the first stage of it viz ,to lay the line up to the Binny Mills at a cost of Rs ~~2,92,000~~ 190000 is proposed to be taken up ~~immediately~~ very soon, and orders have been placed for the supply of pipes from the Bhadravati Iron Works

2 The Binny Mills have agreed to take a guaranteed minimum of 150 000 gallons of water per day at 10½ annas per thousand gallons and the revenue expected under this arrangement is Rs 5 434 per year in addition to the present revenue of Rs 2300 Further increase of revenue is expected when the whole scheme is completed and the Minerva Mills Mysore Mills, smaller factories and suburban colonies take supplies from the main for industrial

purposes Besides, the present annual expenditure of about Rs 12 000 on account of the power and working expenses of the booster pumps now working in the extensions will be saved later on

3 As the scheme relates to the distribution of water within the Bangalore City the capital cost to be incurred in this connection has to be financed by the Municipality and this may be done by utilising a portion of the loan of Rs. 9 lakhs sanctioned by Government to the Municipality If, however, the Municipal Council are not agreeable to finance the scheme it has to be taken by Government subject to the following conditions -

(i) This scheme will be considered as quite independent of the scheme under which Government are now supplying water to the Bangalore City Municipality (Supply of three million gallons of water daily for an annual payment of Rs 4 lakhs including the cost of distribution)

(ii) The revenue realised from the Binny Mills in excess of what is now received (Rs 2300) and revenue that may be received on account of water supplied from this new main to others will be treated as revenue of Government from this scheme

(iii) If, later on the Municipality want to extend the Main up to Basavanagudi or wish to take over the new Main they will be permitted to do so after paying to Government the capital spent up to the date of transfer, the revenue received in the meantime being the property of Government

I am to request you to place the matter before the Municipal Council and forward their resolution at an early date treating the matter as very urgent

as to which of the two courses referred to above is acceptable to them. If any representation may kindly be sent

4 The estimates for Rs 3 1/4 000 and --

Rs 1 90 000 referred to above are forwarded for reference and retransmission

In case the Municipal Council are agreeable to finance the scheme, the estimate for Rs 190,000 may be countersigned and sent

RR 8/4135

Chief Secretary to Govt

Memo No 27384 8/24-4-35

Copy to Chief Engineer in Mysore for information

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No Z 7383 mk estimates etc Dated Bangalore 24th April 193 5

ML 219-34

From

Rajasevasakta B. Rama Rau, Esquire, B.A., B.L.,
Chief Secretary to the Government of His Highness the Maharaja of Mysore

To

V. Seshadri, Esquire, M.A.,
Municipal Commissioner, Bangalore City

THROUGH THE PRESIDENT, CITY MUNICIPAL COUNCIL, BANGALORE

Sir

With reference to the correspondence ending with your letter No A 1-825/31-35 dated the 17th September 1934 regarding the estimate for Rs 2,60,000/- for laying a 15" independent main for the improvement of water supply to Basavangudi, I am directed to state that it is now considered necessary to increase the size of the main to 18" in order to supply water to the industrial concerns like the Binny and other Mills by the side of which the main runs This scheme is estimated to cost Rs 3,11,000/- and the first stage of it viz., to lay the line up to the Binny Mills at a cost of Rs 1,00,000/- is proposed to be taken up very soon, and orders have been placed for the supply of pipes from the Bhadravati Iron Works

2 The Binny Mills have agreed to take a guaranteed minimum of 150,000 gallons of water per day at 10½ annas per thousand gallons and the revenue expected under this arrangement is Rs 5,434/- per year in addition to the present revenue of Rs 2300/- Further increase of revenue is expected when the whole scheme is completed and the Minerva Mills, the Mysore Mills, smaller factories and suburban colonies take supplies from the main for industrial purposes Besides, the present annual expenditure of about Rs 12,000/- on account of the power and working

working expenses of the booster pumps now working in the extensions will be saved later on

3 As the scheme relates to the distribution of water within the Bangalore City, the capital cost to be incurred in this connection has to be financed by the Municipality and this may be done by utilising a portion of the loan of Rs 9 lakhs sanctioned by Government to the Municipality If, however, the Municipal Council are not agreeable to finance the scheme, it has to be taken by Government subject to the following conditions -

(i) This scheme will be considered as quite independent of the scheme under which Government are now supplying water to the Bangalore City Municipality (supply of three million gallons of water daily for an annual payment of Rs 4 lakhs including the cost of distribution)

(ii) The revenue realised from the Binny Mills in excess of what is now received (Rs 2300/-) and revenue that may be received on account of water supplied from this new main to others will be treated as revenue of Government from this scheme

(iii) If, later on, the Municipality want to extend the main up to Basavangudi or wish to take the over new main, they will be permitted to do so after paying to Government the capital spent up to the date of transfer, the revenue received in the meantime being credited ~~of~~ to Government

I am to request you to place the matter before the Municipal Council and forward their resolution as to which of the two ~~courses~~ referred to above is acceptable to them Your reply to this may kindly be sent at an early date, treating the matter as very urgent

4 The estimates for Rs 3,11,000/- and Rs 1,90,000/- referred to above are forwarded for reference and retransmission In case the Municipal Council are agreeable to finance the scheme,

31

scheme, the estimate for Rs 1,90,000/- may be countersigned and sent

I have the honor to be,
S i r ,
Your most obedient servant,

Sd/- R Ranga Rao,
Chief Secretary to Government

P M

Memo No L 7384 dated 24-4-35

Copy of the above is forwarded, with compliments, to the Chief Engineer of Mysore for information

By order,

Asst to Chief Secretary to Government

P M

219-34-3

City Municipal Office,

No A1-825/34-35 Encls (3)

Bangalore, dated 14th Novr 15 2215

From

M SESHADRI, ESQ, M A
Municipal Commissioner
Bangalore City

To

A V Ramanathan, Esq , B A ,
Chief Secretary to the Government of
His Highness the Maharaja of Mysore
Bangalore

Sir

With reference to correspondence ending with your letter No L 1010 dated 3rd August 1935 and the interview of the members of the Lanaging Committee of this Municipality with Second Lember on the 18th ultimo regarding the laying of 18" water main to the Binny Lills at a cost of Rs 1,90,000/- I have the honor to state that an estimate for Rs 1,60,700/- was also received from the Executive Engineer, Water Supply Division for extending the 18" trunk main from the Binny Lills to Basavangudi

Both the estirates were placed before the Lanaging Committee Taking into consideration the imperative necessity of ensuring a continuous supply of water to the entire City (which will be only possible by utilising the new 18" main from Combined Jewell Filters up to Binny Lills and its extension up to Basavangudi) and to supply water to the new extensionswhich are springing up in all parts of the City, the Committee recommended as follows -

I That the entire cost of the 18" main from the Combined Jewell Filters up to Binny Lills be borne by the Municipality, provided that

(a) The supply of water to Binny Mills should be treated as part of the City Municipal distribution from the date of service

(b) That the excess water charges hitherto recovered from the Mills should be credited to Municipal accounts

(c) That in calculating the cost of the work, the price for the pipes to be taken up at the reduced rates

(d) That the Municipality may be permitted to pay the cost of the work in five annual instalments

II They further recommended that the estimate for Rs 1,60,700/ for extending the main may be approved and that a sum of Rs 1,20,000 which is available out of the loan of Rs 2,50,000 sanctioned for the improvem may be paid this year for the work and the balance pf Rs 40,700/- paid later on after the exact cost of the work is ascertained

The Council at their meeting held on 9th November 1935 approved of the above recommendations Copies of the resolutions of the Managing Committee and the Council are enclosed for kind reference with a request that you will be so good as to obtain early sanction of Government thereto

I have countersigned the estimate for Rs 1,60,700/- for extending the main up to Basavangudi and sent it to the Executive Engineer, Water Supply Division, Bangalore for further action

I have the honor to be,
Sir,
Your most obedient servant,

M Sheikadri
Municipal Commissioner.

ss

Forwarded with compliments

Hon President

Proceedings of an ordinary General Meeting of the City Municipal Council, Bangalore, held on Saturday the 9th November 1935 at 12 noon in the Council Chamber of the City Municipal Office, Bangalore.

63

Present.

Rao Bahadur B.K. Garudachar, Esq.,
Honorary President.

Councillors -

1. Mr. B. Rangappa.
2. Mr. S.V. Srinivasa Setty.
3. Mr. K.T. Bhashyam Iyengar.
4. Mr. Kanhai Thiwari.
5. Mr. K.C. Hanumaiah Setty.
6. Mr. V.B.L. Narayan.
7. Mr. Y.T. Venkatarayappa.
8. Mr. D. Venkatarayappa.
9. Mr. M. Muniswamappa.
10. Mr. I. Srinivasa Murthy.
11. Mr. C.[illegible] Narsinga Rao.
12. Mr. C. Nanjundaraja Rao.
13. Mr. C.M. Garudachar.
14. Mr. K.P. Somashekara Rao.
15. Mr. S. Sitharamiah.
16. Mr. T.[illegible] Raghavachar.
17. Mr. M. Chinnaswamy.
18. Mr. P. Subbarayan Chetty.
19. Mr. Azimullah Mehdi.
20. Mr. J.M. Isaac.

Absent.

1. Mr. R. Venkatasamy.
2. Mr. K.H. Hanumanthappa.
3. Mr. K.S. Hanumaiah Setty.
4. Mr. S.K. Venkataramana Iyengar.
5. Mr. O.S. Nagarulla Sheriff.
6. Mr. S.M.M. Naqvi.
7. Mr. B. Abdul Rahman.
8. Mr. [illegible] Yellappa.

Vacant.

One.

Additional subject No 17

Opinion of the Managing Committee meeting dated 30th

ctober 1 35 approvin~ the estimate for ₹ 1,60,700/- for extending t e main from Binny Mills to Basavangudi

Resolution -Sanctioned as per recommendations of the Engine Committee

Sd/ [illegible] Garudachar,
Chairman President

Copy

Municipal Commissioner

Proceedings of the Managing Committee meeting dated
30th October 1935

15

Consideration of the question of taking over 18 main already laid from Combined Jewell Filters to the Binny Mills and the estimate for Rs 1,60,700/- for extending the main from Binny Mills to Basavangudi and also office note thereon

Resolution -Approved

Sd/ B V Garudachar,
Chairman

Copy

M Venkatadri
Municipal Commissioner.

ss

Improvement of water supply to Basavangudi and parts of the City, south of Mysore Road

---

Memo

The question of improving the water supply to Chamarajapet Basavangudi and other higher localities of the City has been engaging the attention of the Council for a long time After prolonged correspondence and personal discussions it was agreed that the only solution to the problem was the laying of an independent main from Combined Jewell Filters to Basavangudi An estimate for 3 14 lakhs of rupees was prepared The scheme consisted of two stages viz

1	Laying the line from Combined Jewell Filters up to Binny Mills	Rs 1,90,000
2	Do from Binny Mills to Basavangudi	1,24,000
	Total Rs	3,14,000

As the work was urgent and as the Binny Mill authorities wanted water and additional revenue was expected from the laying of this main the Government undertook took the first stage of the work subject to the following conditions -

1 That the revenue derived from the supply of water from this main would be treated as Government revenue

2 If the Municipality wanted to extend the main up to Basavangudi the capital cost of the main up to Binny Mills sho be paid by the Municipality

The necessity for extending the main to Basavangudi has become imperative owing to the springing up of houses on the southern parts of the city and owing to the formation of new extension The health authorities are also urging that arrangements should be made for a continuous supply of water all over the city as the intermittent supply of water has give rise to the stagnation of water, breeding of germs and the out-break of intestinal diseases We have just allotte site near the Mallikarjunaswami temple Water supply to this locality is impossible unless the independent main is laid

As such the 18" main up to Binny Mill has to be utilised

for municipal purposes such as improving water supply to Srirampur Labour Colony &c it is most desirable that the main should be treated as municipal on the following conditions -

I Main from combined Jewell Filters up to Binny Mills --The entire cost of the main may be borne by the Municipality, provided

(1) that the supply of water Binny Mills should be treated as part of the City Municipal distribution scheme from the date of service

(2) That the excess water charges recovered from the Mills has to be credited to the municipal accounts

(3) That in calculating the cost of the work, the price for pipes has to be taken at the reduced rates,

(4) That the Municipality may be permitted to pay the cost incurred for the work in 5 annual instalments,

II Laying the main from the Binny Mills up to Basavangudi - The latest modified estimate for this work comes to Rs 1,60,700/- which includes the laying and construction of a 9" main and tank at Chamarajapet costing Rs 18,500 and a tank at Bull Temple costing Rs 30,000/- The work should be taken up at once not only in the interests of the residents of these particular localities but in the general interests of health of the entire city for the reasons already stated above The cost of the work may be met out of the balance of loan of Rs 2,50,000/- borrowed for improvement of water supply

A sum of Rs 1,20,000/- is available This may be paid this year and the balance paid later on (next year) after the exact cost of the work is ascertained This may kindly be approved

M Devadas
Municipal Commissioner

Copy,

To

The Managing Committee -

M Devadas
Municipal Commissioner
Bangalore city

14/11/35

G R S App F VI—G 2]

SUBJECT

Diary No of letter replied to

General and Revenue Secretariat

( )

the *193*

Date of issue 20/12 193

Signed by Mr A S Row

May this be—

(i) prin ed?

(ii) treated as a standing order?

(iii) published in the Gazette English Part?

(iv) translated?

(v) placed at the dispo al of the press?

(vi) published in the Gazette Kannada Part?

(1) That the Supply of water to the B mg Mills should be treated as part of the Municipal Distribution Scheme for water supply

(2) That the extra water charges received from the Mills be credited to the Municipal account

(3) That in calculating the cost of the work, the power for pumps be taken at the reduced rate

(4) That the Mills may be permitted to pay the cost incurred for the work in four annual instalments

Section ML

File No 219-34

Serial No 4

Proceedings of the Government of His Highness the Maharaja of Mysore

Read— Correspondence ending with letter No A1-825/34-35 dated 15-1 from the Municipal Commissioner, Bangalore city, forwarding the resolution of the Municipal Com that the entire cost of Rs 1,90000 for laying an 18" main from the Combined Order thereon—No Jewell Filters up to Bning Mills be borne by the Municipal Council subject to t noted in the margin, certain conditions and that the estimate for Rs 1,60,700 for extend the main from the Mills to Basava be approved and that a sum of Rs 1,20,000 be paid for the latter

work during the current year out of the loan ~~sanctioned~~ (taken from Govt for improvements & the balance being raised later on,

and stating that the estimate ~~for Rs 1,60,700 for extending the~~ later

~~canal to Basavangudi~~ has been

sent to the Executive Engineer

Water Supply Division duly countersigned,

for former Ashm-

2) Y.O Note No 274 dated 2-12-35

from the Chief Engineer on the subject

~~order~~ No L 4750-3 dt 20/12/35

On a consideration of all the circumstances,

~~Govt have considered the conditions~~

~~proposed by the Municipal Council~~

~~for taking up the work of laying the~~

~~canal up to the Bunny Mills~~, and have

Govt direct that the work of laying the mains up to the

decided ~~that the~~ Bunny Mills work, estimated to cost Rs 1,90 000

be executed out of State Funds ~~sanctioned~~ and the resultant revenue from the be credited to the Govt

~~if from the Municipal funds contribution~~

~~as proposed by the Municipality~~.

List of Enclosure

2) The Municipality will, however,

be permitted to extend the mains from ~~the~~ the

present terminus at the Bunny Mills to

Basavangudi and also to tap the mains by

sub mains for water supply to the Srirampuram Extension,

Copied by

Examined by

G R S App F G 3

GENERAL AND REVENUE SECRETARIAT

(Continuation sheet draft form)

~~Dde~~ the excess consumption in the city after the limit of 3 million gallons has been ~~should be~~ paid for by the Municipality ~~when the water supply to Bangalore is improved and when revenue given to the contemplated new extension~~

16/12
Chief Engineer to Govt
11/12

In accordance with the existing orders of Government on the subject

3 The Chief Engineer is requested to forward the estimates for Rs 1,64,000, and Rs 1,60,700 referred to above for the sanction of Govt at an early date

The Municipal Commissioner,
Bangalore city
(through the President)

Chief Engineer of Mysore

Comptroller to Govt to the Fd Secrett

Dr of Health

WD 0186—GPR—15 000—6 9 34

Ref

Extra

PROCEEDINGS OF THE GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

Read —

Correspondence ending with letter No A 1-825/34-35 dated 15th November 1935 from the Municipal Commissioner, Bangalore City, forwarding the resolution of the Municipal Council that the entire cost of Rs 1,90 000 for laying an 18" main from the combined Jewel Filters up to the Binny Mills be borne by the Municipal Council subject to the conditions noted in the margin, that the estimate for Rs 1,60,700 for extending the main from the Mills to Basavangudi be approved and that a sum of Rs 1,20,000 be paid for the latter work during the current year out of the loan taken from Government for improvement of water supply the balance being paid later on, and stating that the latter estimate has been sent to the Executive Engineer, Water Supply Division duly countersigned for further action

(1) That the supply of water to the Binny Mills should be treated as part of the City Municipal Distribution scheme from the date of service
(2) That the excess water charges recovered from the Mills should be credited to the Municipal accounts
(3) That in calculating the cost of the work, the price of pipes should be taken at the reduced rates
(4) That the Municipality may be permitted to pay the cost incurred for the work in five annual instalments

2 U O Note No 274 dated 2nd December 1935 from the Chief Engineer on the subject

Order No 4750-3/ME 219-34-4

Dated, Bangalore the 18th/20 December 1935

On a consideration of all the circumstances, Government direct that the work of laying the main up to the Binny Mills estimated to cost Rs 1 90,000 be executed out of State

State Funds and the resultant revenue be credited to the Government

2 The Municipality will, however, be permitted to extend the main from the present terminus at the Binny Mills to Basavangudi and also to tap the main by six mains for water supply to the Srirampuram Extension, the excess ~~exemption~~ consumption in the City over the limit of 3 million gallons per day being paid for by the Municipality in accordance with the existing orders of Government on the subject

3 The Chief Engineer is requested to forward the estimates for Rs 1,90,000 and Rs 1,60,70 referred to above for the sanction of Government at an early date

Asstt Secretary

Fr Chief Secretary to Government

Rr

The Municipal Commissioner, Bangalore City
(through the President, Bangalore City Municipal Council)
The Chief Engineer of Lyore.
The Comptroller to Goverment, through Financial Sectt
The Director of Health & Mysore

293

No
Encls

PUBLIC WORKS SECRETARIAT

Dated Bangalore

FROM

FINANCE
15 JUL
No.

The *Secretary to Government,*
Public Worl's Department
Bangalore

GEN & REV SECTN
17 JULY 1936
L & S BRANCH

The Executive Engineer,
Water Supply Division,
BANGALORE

Subject - Laying an 18" Cast Iron water main from the Combined Je
Filters up to the Bangalore Woollen Cotton and Silk Mi
Bangalore City

Adverting to G O No L 4750-3/Ml 219-34-4 dated the 18/20th December 1935 directing that the above work be executed out of St Funds crediting to Government the resultant revenue therefrom, ha the honour to return herewith duly sanctioned by Government for Rs 1,87,254/-, the estimate for the work under "39 Industrial Wor and other works - 4 Chamaraj Sagar and Water Works"

A demand for the grant required for the work was placed bef the last Session of the Legislative Council and was sanctioned.

Sd/- N N Ayyangar

Secretary to Government,
Public Works Department

Dept JULY 1936 R S 277
No. 17 file Dated Bangalore, th July 1936.

Copy of the above (with the file) is forwarded with comblim to the Chief Secretary to the Government of Mysore for information, with reference to his Un-official Note dated 13th March 1936.

Secretary to Government
Public Works Department